



Title: "Oligonucleotide-Tagged Semiconductor Nanocrystals For Microarray And Fluorescence In Situ Hybridization"
Inventors: Bittner, *et al.*
Attorney: David W. Maher (650-849-4400)
Atty. Docket No: 22564-0707

Sheet 1 of 10

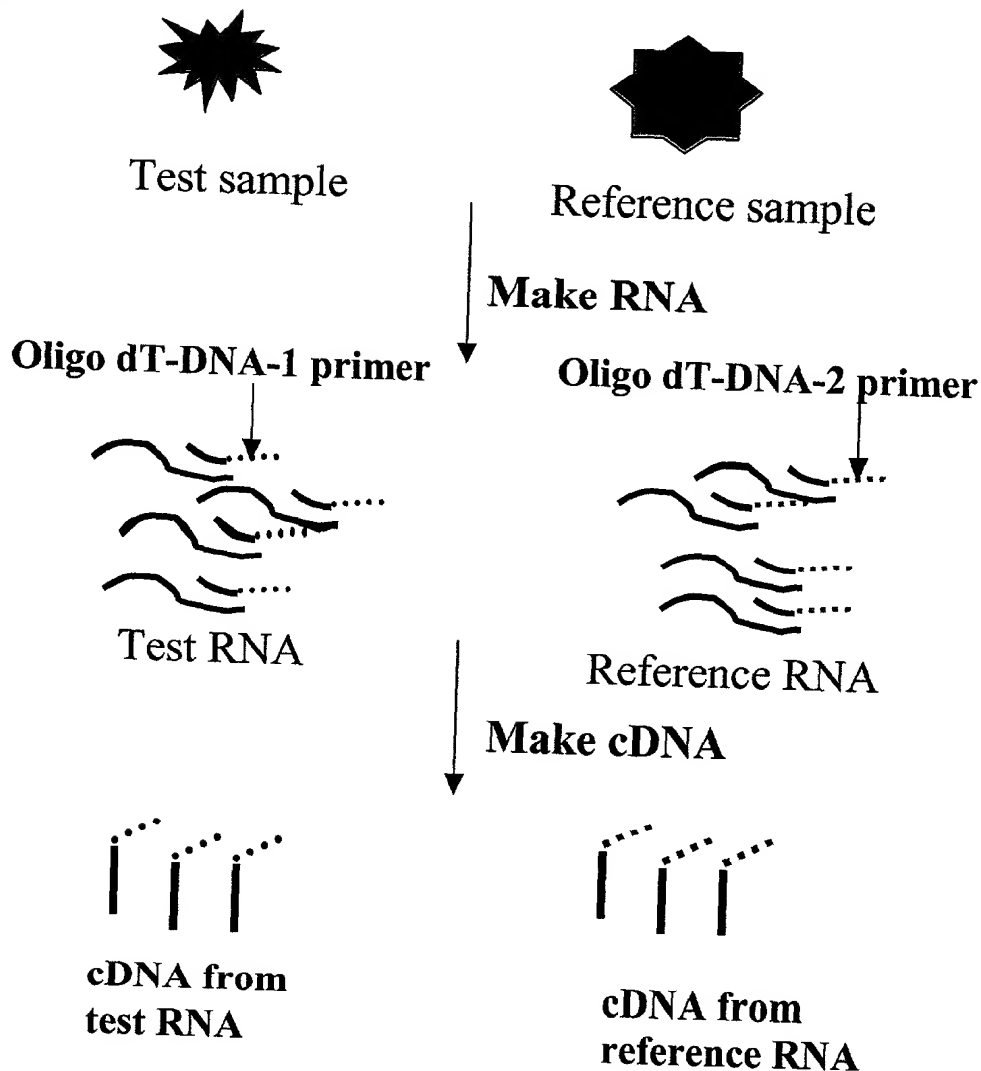


FIGURE 1

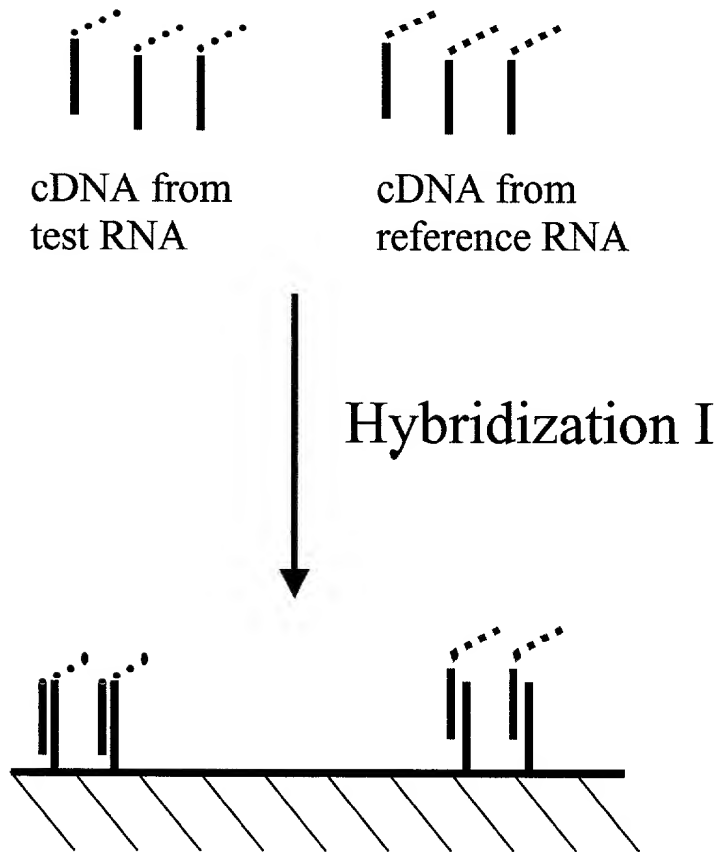


FIGURE 2

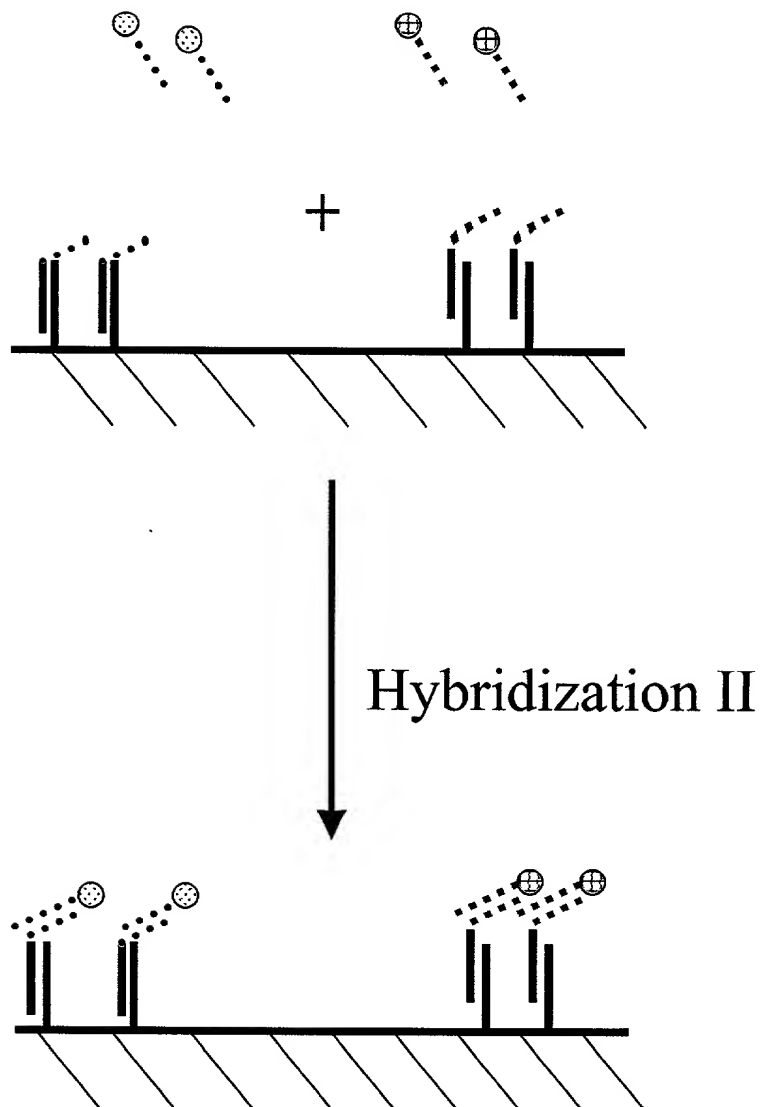


FIGURE 3

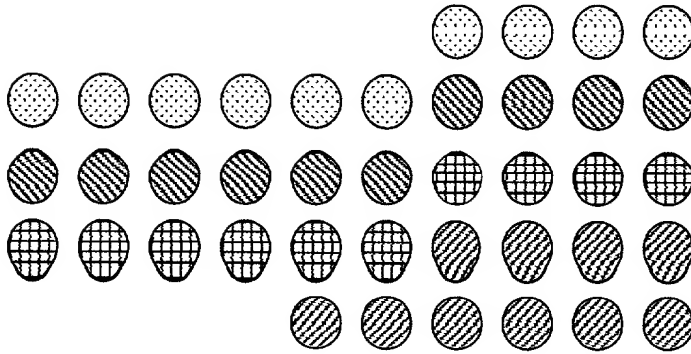
Title: "Oligonucleotide-Tagged Semiconductor
Nanocrystals For Microarray And Fluorescence
In Situ Hybridization"

Inventors: Bittner, *et al.*

Attorney: David W. Maher (650-849-4400)

Atty. Docket No: 22564-0707

Sheet 4 of 10



Target

● = Gene A (h-136)

● = Gene B (h-252)

● = Gene C (h-501)

● = Gene D (h-503)

FIGURE 4

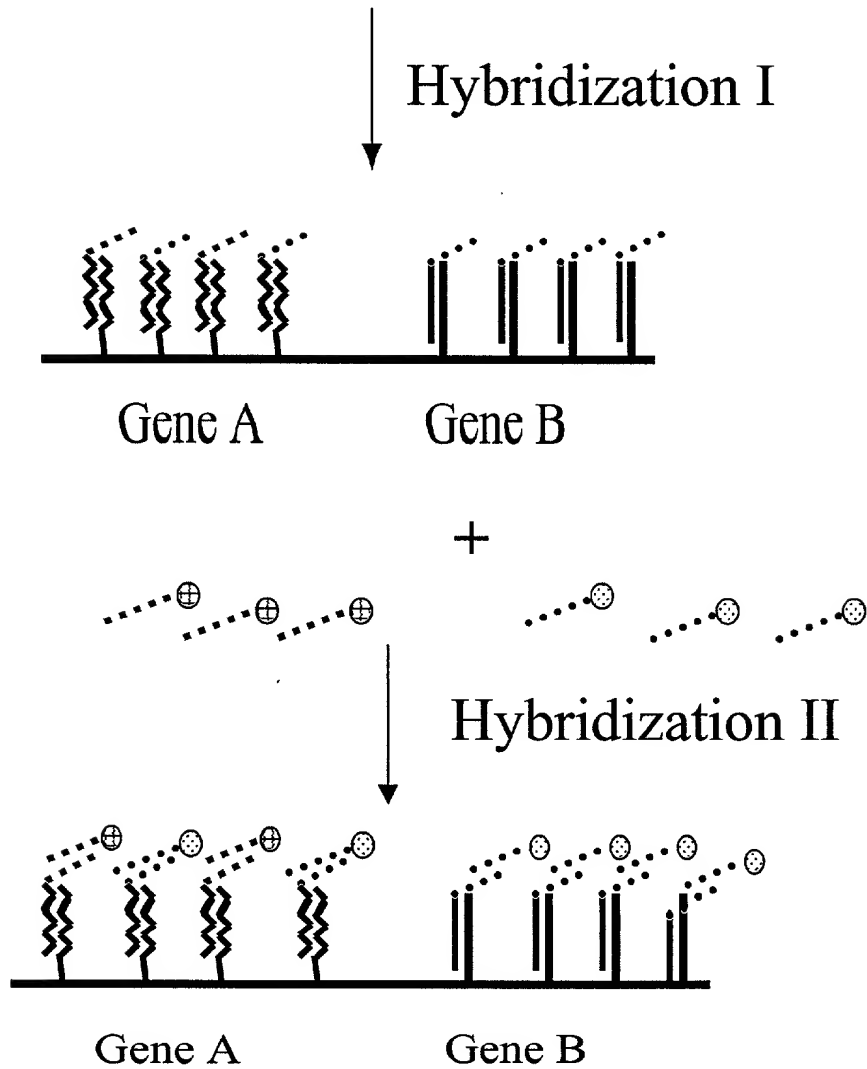


FIGURE 5A

Title: "Oligonucleotide-Tagged Semiconductor
Nanocrystals For Microarray And Fluorescence
In Situ Hybridization"

Inventors: Bittner, *et al.*

Attorney: David W. Maher (650-849-4400)

Atty. Docket No: 22564-0707

Sheet 6 of 10

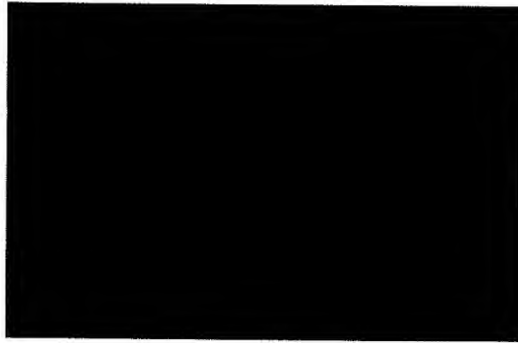


FIGURE 5B

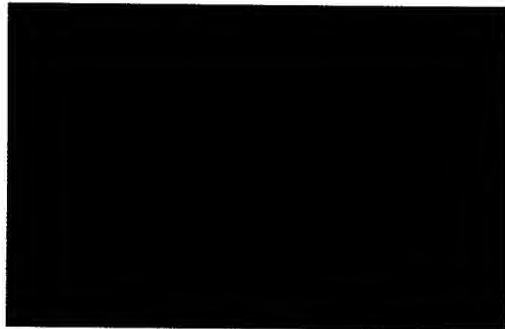


FIGURE 5C

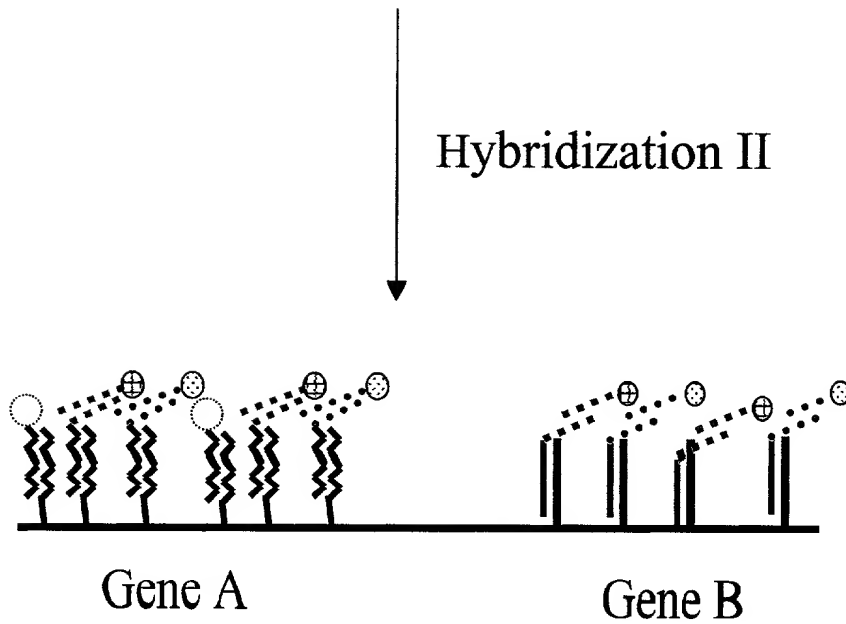


FIGURE 6A

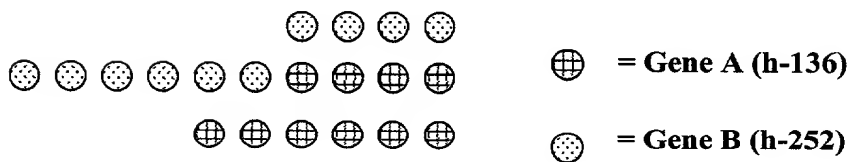
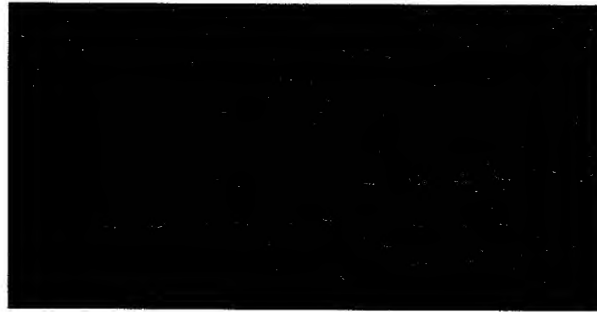
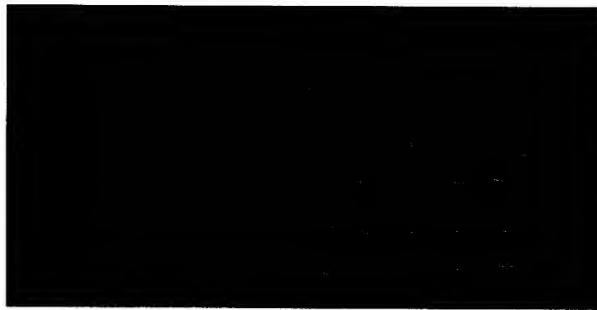


FIGURE 6B



**Green Qdots signals
from Gene A,B**

FIGURE 6C



**Red Qdots signals
from Gene A, B**

FIGURE 6D



**Yellow Qdots
signals from Gene A**

FIGURE 6E

Title: "Oligonucleotide-Tagged Semiconductor
Nanocrystals For Microarray And Fluorescence
In Situ Hybridization"

Inventors: Bittner, *et al.*

Attorney: David W. Maher (650-849-4400)

Atty. Docket No: 22564-0707

Sheet 9 of 10

Slide ID	<div>Microarray 1</div>	<div>Microarray 2</div>
----------	-----------------------------	-----------------------------

FIGURE 7

Title: "Oligonucleotide-Tagged Semiconductor
Nanocrystals For Microarray And Fluorescence
In Situ Hybridization"

Inventors: Bittner, *et al.*

Attorney: David W. Maher (650-849-4400)

Atty. Docket No: 22564-0707

Sheet 10 of 10

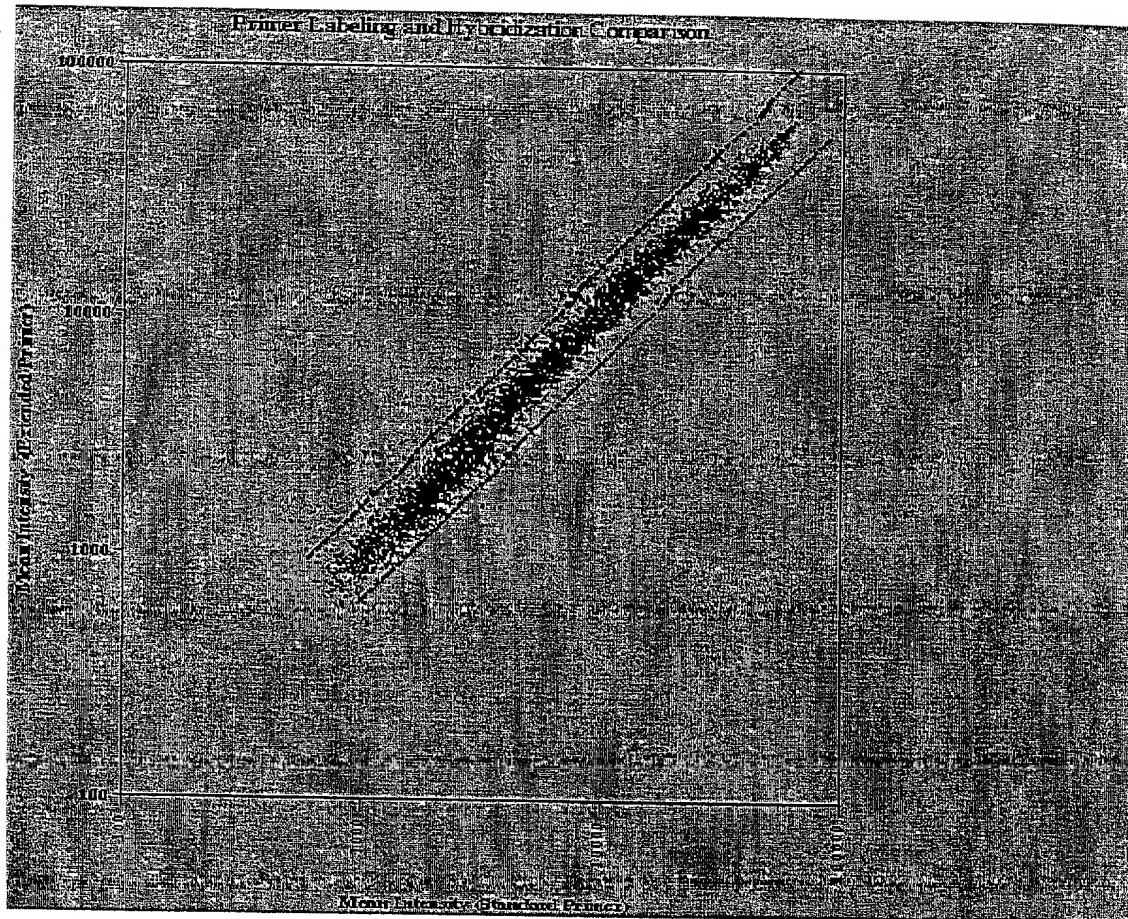


FIGURE 8